

ICD 10 code	Disease	Abbreviation		Mortality-heat	Mortality-cold	Morbidity-heat	Morbidity-cold			
660	Subarachnoid haemorrhage	SAH	Jafar, 2014 (1) Juran, 2012 (2) Jiang, 2014 (3)	Nang, 2013 (4) Abreua, 2013 (6) Capurro, 2012 (6) Jin, 2011 (7) Wehmeyer, 2011 (8) Yu, 2011 (9) Almeida, 2010 (10) Iano, 2009 (11) Reich, 2008 (12) Locardi, 2008 (13)	Shigami, 2008 (14) Gowda, 2008 (15) Wehmeyer, 2011 (6) Jiang, 2012 (57) Jin, 2011 (58) O'Neill, 2003 (59) Pan, 1995 (60) Nesheim, 2011 (8) Reich, 2008 (12) Ardito, 2008 (18) Fender, 2005 (19) Zafei, 2015 (20) Gowda, 2008 (15) Duan, 2013 (60) Jin, 2013 (22) Jin, 2014 (23) Kim, 2014 (24) Jiang, 2014 (25) Anderson, 2013 (26) Wang, 2013 (27) Chen, 2013 (28) Qiu, 2013 (29) Williams, 2012 (30) Sogges, 2012 (32) Wehmeyer, 2011 (33) Jin, 2012 (34) Bao, 2013 (35) Vita, 2012 (36) Nunes da Silva, 2013 (37) Alessandini, 2011 (38) Jin, 2009 (44) Wehmeyer, 2003 (45) Jin, 2008 (46) Costa, 2004 (47) Koken, 2003 (48) Sun, 2004 (49)	Ying, 2013 (5) Jin, 2011 (6) Wehmeyer, 2011 (7) Jin, 2011 (8) Wehmeyer, 2011 (9) Jin, 2011 (10) Jin, 2011 (11) Jin, 2011 (12) Jin, 2011 (13) Jin, 2011 (14) Jin, 2011 (15) Jin, 2011 (16) Jin, 2011 (17) Jin, 2011 (18) Jin, 2011 (19) Jin, 2011 (20) Jin, 2011 (21) Jin, 2011 (22) Jin, 2011 (23) Jin, 2011 (24) Jin, 2011 (25) Jin, 2011 (26) Jin, 2011 (27) Jin, 2011 (28) Jin, 2011 (29) Jin, 2011 (30) Jin, 2011 (31) Jin, 2011 (32) Jin, 2011 (33) Jin, 2011 (34) Jin, 2011 (35) Jin, 2011 (36) Jin, 2011 (37) Jin, 2011 (38) Jin, 2011 (39) Jin, 2011 (40) Jin, 2011 (41) Wehmeyer, 2011 (42) Jin, 2010 (43) Jin, 2009 (44) Wehmeyer, 2003 (45) Jin, 2008 (46) Costa, 2004 (47) Koken, 2003 (48) Sun, 2004 (49)	Jiang, 2014 (25) Jin, 2014 (49) Kim, 2014 (24) Nunes da Silva, 2013 (37) Wehmeyer, 2011 (38) Jin, 2011 (40)	Morbidity-heat	Morbidity-cold	
661	Intracranial haemorrhage	intr								
660-661	Haemorrhagic stroke	HS								
363	Cerebral infarction/Ischaemic stroke	IS								
367	Other CBD	other CBD								
364	Stroke (unspecified as haemorrhage or infarction)	Stroke								
320-325	All cerebrovascular disease	CBD								
310	Ischaemic stroke	Isch								
320-325	Ischemic heart disease	IHD								
320	Angina	Angina								
321-323	Myocardial infarction	MI								
325, 3, 125, 4	Aneurysm	Aneurysm								
326	Pulmonary embolism	JealEmb								
350	Heart failure	HF								
370	Coronary atherosclerosis	CorAth								
344, 145	Atro-ventricular conduction disorders	AVCD								
347-348	Cardiac arrhythmias	Arrhyt								
348	Atrial Fibrillation	ArrFib								
327, 9	Pulmonary heart disease	PulHD								
346, 1, R96	Sudden cardiac death	SuddCD								
995	Hypotension	Hypot								
300-399	All cardiovascular disease	CVD								
309-318	Influenza and pneumonia	Flu-Pneu								
310-322	Respiratory infections	inRResp								
945-946	Asthma	Asthma								
340,344	COPD and chronic bronchitis	COPD								
340	Chronic lower respiratory diseases (COPD+Asthma)	CILD								
330, 345, 1, L20	Allergy	Allergy								
300-399	All respiratory disease	RD								
300-399, 300-399	Cardio-respiratory disease	Cardio-Resp								
N39, N20	Kidney stone	KidStone								
N17	Acute renal failure	AcuteRen								
N00-999	All renal/genitourinary disease	GUM								
A00-A09	Gastroenteritis	Gastro								
A00-A99	All intestinal infection	IntInf								
A00-A99+others	All infectious disease (meningitis + other inflammatory diseases)	ID								
E10-E14	Diabetes mellitus	Diab								
E00-E99	All endocrine diseases	Ender								
F00-F99	Organic mental disorders	Demen								
F10-F19	'Psychoactive substance use	Psyco								
F20-F29	Schizophrenia	Schizo								
F00-F99	All mental diseases	Mental								
F20-F26	Extra-pyramidal disorders	ExtrP								
F20-F26	Other disorders of the nervous system	NeuroDis								
G00-G99	All nervous system diseases	Nervous								
K00-K93	All digestive system diseases	Dig								
E86	Dehydration	Dehydr								
T167	Heatstroke	HSStroke								
R00-R01, T16-T8, R80-R99	Heat related disease	Heat								

Supplementary file 5 (S5): Summary of ICD diseases, codes, and abbreviations for which risk estimates have been provided by mortality and morbidity studies included in this systematic review and meta-analysis.

The ICD disease hierarchy consists of broad disease groups (in bold), and corresponding subgroups. The diseases reported by each author and study ID are marked with ✓. Red (heat) and blue (cold) correspond to the exposure. Meta-analysis was possible where two or more risk estimates were provided for each disease row.